Curriculum Vitae

Name & Surname: Mojtaba Norouzi Masir

Date of Birth: 23-September-1983

Address, Suburb, State, Postcode: Department of Soil Science and Engineering, Faculty of Agriculture, Shahid Chamran University of Ahvaz, Ahvaz, Iran

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PROFESSIONAL PROFILE:

Assistant Professor of Soil Chemistry, Soil Fertility and Plant Nutrition in Shahid Chamran University (SCU) of Ahvaz.

EDUCATION BACKGROUND:

Ph.D.: Soil Science (2009), Soil Chemistry, Soil Fertility and Plant Nutrition (2009-2014), Department of Soil Science, Agriculture Faculty, Isfahan University of Technology, Isfahan, Iran.

Thesis Title:

"Effects of Cultivation History, Plant Residues, Organic and Chemical Fertilizers and Rubber Waste on Chemical Fractions of Zinc and Its Uptake in Wheat in a Calcareous Soil."

M.Sc.: Soil Science (2006-2008), Department of Soil Science, Agriculture Faculty, Isfahan University of Technology, Isfahan, Iran.

Dissertation Title:

"Prediction of Rainfed Wheat Yield Using Artificial Neural Network in Ardal District of Chaharmahal and Bakhtiari Province."

B.Sc.: Soil Science (2002-2006), Gorgan University of Agricultural Sciences and Natural Resources, Gorgan, Iran.

TEACHING AND TRAINING EXPERIENCE:

- Soil Chemistry, Plant Nutrition, English in Soil Science (BSc. Students)
- Advanced Soil Fertility, Soil Testing and Plant Analysis (MSc. Students, Graduate Course)
- Advanced Topics in Soil Fertility and Plant Nutrition, Modeling in Soil and Plant Studies (Ph.D Students, Graduate Course)

HONOURS AND AWARDS:

Elected as one of Outstanding Professors by Vice-Chancellor in Educational Affairs of Shahid Chamran University of Ahvaz, Iran in the year 2019.

INTERESTS AND RESEACH FIELDS:

- Soil chemistry
- Soil fertility and plant nutrition
- Soil quality
- Synthesis of novel fertilizers and evaluation of their efficiency on plants
- Modeling

RESARCH ACTIVITIES:

PUBLICATIONS:

1. Khajavi Shojaee, S., A.A. Moezzi, M. Norouzi masir and M. Taghavi zahedkolaei. 2020. Synthesis modified biochar-based slow-release nitrogen fertilizer increases nitrogen use efficiency and corn (Zea mays L.) growth. Journal Biomass Conversion and Biorefiner, 10:1 – 9.
2. Khajavi Shojaei, S., A. Moezzi, M. Norouzi Masir, M. Taghavi. 2020. Characteristics of conocarpus wastes and common reed biochars as a predictor of potential environmental and agronomic applications. Energy Sources, Part A: Recovery, Utilization, and Environmental Effects. 42:1 – 19 .
3. Rouhaninejad, A.A., S. Hojati and M. Norouzi. 2020. Adsorption of Cr (VI) onto micro- and nanoparticles of palygorskite in aqueous solutions: Effects of pH and humic acid. Journal Ecotoxicology and Environmental Safety. 1:1 – 8.
4. Zalaghi, R., M. Norouzi masir, and A. Moezzi. 2019. Effects of Cd on soil microbial biomass depend upon its soil fraction distribution. Toxicological and Environmental Chemistry. 101 (9-10): 486-496 .
5. Ghadam Khani, A., N. Enayatizamir, and M. Nourozi masir. 2019. Impact of Plant Growth Promoting Rhizobacteria on Di×erent Forms of Soil Potassium under Wheat Cultivation. Letters in Applied Microbiology. 4: 1 – 8 .

6. Roustaei, F., S. Ayoubi, and M. Norouzi. 2018. Comparison of artificial neural network and multiple linear regressions efficiency for predicting soil salinity in Yazd- Ardakan plain, central Iran. Desert Ecosystem Engineering Journal. 7(1): 11-20.

7. Shabani, A., and M. Norouzi. 2015. Predicting Cation Exchange Capacity by Artificial Neural Network and Multiple Linear Regression Using Terrain and Soil Characteristics. Indian Journal of Science and Technology. 1-10.

8. Khoshgoftarmanesh, A. H., M. Afyuni, M. Norouzi, S. Ghiasi and R. Schulin. 2018. Fractionation and bioavailability of zinc (Zn) in the rhizosphere of two wheat cultivars with different Zn deficiency tolerance. Geoderma. 309: 1-6 .

9. Khoshgoftarmanesh, A. H., M. Norouzi, M. Afyuni, and R. Schulin. 2017. Zinc biofortification of wheat through preceding crop residue incorporation into the soil. European Journal of Agronomy. 10.1016/J.EJA.2017.05.006

10. Norouzi, M., A. H. Khoshgoftarmanesh, M. Afyuni. 2014. Zinc fractions in soil and uptake by wheat as affected by different preceding crops. Soil Science and Plant Nutrition. 60: 670-678.

11. Norouzi, M., S. Ayoubi, A. Jalalian, H. Khademi and A. Dehghanh. 2010. Prediction of rainfed wheat yield and quality by artificial neural network using terrain attributes.Acta Agriculture Scandinavica, Section B-Plant Soil Science, 60: 341- 352.

12. Zare, M., A. H. Khoshgoftarmanesh, M. Norouzi and R. Schulin. 2009. Critical soil zinc deficiency concentration and tissue Fe/Zn ratio as diagnostic tool for prediction of Zn deficiency in corn. Journal of Plant Nutrition, 32:1983-1993.

PAPER IN IRANIAN JOURNALS:

1. Khajavi-Shojaei, S. A.A. Moezzi, M. Norouzi Masir and M, Taghavi Zahedkolaei. 2020. Evaluating Potential of nitrate sorption from aqueous solution using common reed-iron modified biochar. Iranian Journal of Soil and Water Research, 51 (11): 2853-2864, (In Persian).

2. Khajavi-Shojaei, S. A.A. Moezzi, M. Norouzi Masir and M, Taghavi Zahedkolaei. 2020 Investigation of Modified Biochar Performance on Nitrate Removal from Aqueous Solution: Kinetic and Isotherm Study. Applied Soil Research, 8(2): 1-14, (In Persian).

3. Khajavi-Shojaei, S. A.A. Moezzi, M. Norouzi Masir and M, Taghavi Zahedkolaei. 2020. Study of Ammonium and Nitrate Adsorption Kinetics and Isotherm by Common reed (Phragmites australis) Biochar from Aqueous Solution. Iranian Journal of Soil and Water Research, 50 (8): 2019-2021, (In Persian).

4. Abdolahi, A., M. Norouzi Masir, M. Taghavi and A. Moezzi 2020. Effect of Functionalized Iron Oxide Nanoparticles and Zinc Sulfate Chemical Fertilizer on Zinc Speciation in Soil and Uptake of Zinc in Wheat. Journal of Water and Soil Science (JWSS), 24 (2):87-103, (In Persian).

5. Abdolahi, A., M. Norouzi Masir, M. Taghavi and A. Moezzi 2020. Effect of Zinc Oxide Nanoparticles on Zinc Chemical Forms Species in Soil Solution Phase and its Correlation with Concentration and Uptake of Zinc in Wheat. Applied Soil Research, 7(4): 35-46, (In Persian).

6. Enayatizamir N, M. Noruzi masir, A. Ghadamkhanii. 2020. The Effect of Plant Growth Promoting Bacteria on Some Biological Indicators and Soil Organic Carbon Forms under Wheat Cultivation. Journal of Water and Soil Science, 23 (4):171-181, (In Persian).

7. Mehrab, N., M. Chorom., M Norouzi Masir. 2020. Efficiency of Nitrilo Triacetic Acid (NTA) on Leaching and Refining of Cadmium from Soil by Maize. Journal of Water and Soil, 34 (3): 593-608, (In Persian).

8. Rashidifard, A., M. Chorom, M. Norouzi Masir and H.Roshanfekr. 2020. The Effect of Humic Acid and Zinc Application on Some Vegetative Traits and Anti-oxidant Enzymes of Corn Seedling under Salinity Stress. Iranian Journal of Soil and Water Research, 51 (9): 2393-2403, (In Persian).

9. Abdolahi, A., M. Taghavi, M. Norouzi Masir and A.A. Moezzi. 2019. Effect of Functionalized Iron Oxide Nanoparticles on Zinc Uptake and some Growth Indices of Wheat in Greenhouse Conditions. Journal of Agricultural Engineering, 41(4):131-146, (In Persian).

10. Mehrab, N., M. Chorom., M Norouzi Masir. 2019. The Effect of Nitrilo Triacetic Acid (NTA) on Cd Phytoremediation by Maize in Soil Leaching Condition. Journal of Natural Environment (Iranian Journal of Natural Resources), 72(4): 499-513, (In Persian).

11. Sadeghian, A., G.A. Sayyad, A. Farrokhian Firouzi and M. Norouzi Masir. 2019. Effect of Different Agronomic Management on Some Physical Indicators of Soil Quality. Journal of Water and Soil, 33(2): 275-288, (In Persian).

12. Nourozi masir, M., N. Enayatizamir and A, Ghadam Khani. 2019. Effect of Phosphorus Solubilizing Bacteria on Phosphorus Uptake and Some Properties of Wheat. Journal of Soil Management and Sustainable Production, 8(4): 119-125, (In Persian).

13. Rezaei Niko, B., N. Enayatizamir and M. Nourozi masir. 2019. The Effect of Zinc Solubilizing Bacteria on Zinc Uptake and Some Properties of Wheat in the Greenhouse. Journal of Water and Soil Science (JWSS), 22 (4):249-260, (In Persian).

14. Ghadam Khani, A., N. Enayatizamir and M. Nourozi masir. 2019. Effect of Plant Growth Promoting Bacteria on Soil Available Iron and Its Uptake by Wheat. Journal of Agricultural Science and Sustainable Production, 28(2): 53-64, (In Persian).

15. Abdolahi, A., M. Norouzi Masir, M. Taghavi and A. Moezzi 2018. The effectiveness of synthesized ZnO nanoparticles on Zn uptake and some growth indices of wheat. Journal of Soil Management and Sustainable Production, 8(1):125-141, (In Persian).

16. Monjezi S., M. Norouzi masir, A. Moezzi and M. Mahmoudi sourestani. 2018. Effect of some organic and chemical fertilizers on zinc uptake and growth indices of German chamomile (Matricaria chamomilla L.). Journal of Soil Management and Sustainable Production, 8(2): 63-82, (In Persian).

17. Rezaei Niko, B., N. Enayatizamir and M. Nourozi masir. 2018. Effect of zinc solubilizing growth promoter bacterium on plant growth under laboratory conditions. Journal of Agricultural Engineering, 41(2): 113-132, (In Persian).

18. Alipour babadi M., A. Moezzi., M. Norouzi Masir and A. Khademalrasoul. 2018. Effect of different feedstock and pyrolysis temperature on some chemical and physical properties of biochar. Iranian Journal of Soil and Water Research, 49(3): 537-547, (In Persian).

19. Sadeghian, A., G.A. Sayyad., A. Farrokhian Firouzi and M. Norouzi Masir. 2018. Effect of agricultural management on some chemical and biological indicators of soil health. Journal of Water and Soil Conservation, 25(3): 269-280, (In Persian).

20. Mohammadzadeh, R., M. Chorom., A.A. Moezzi and M. Norouzi Masir. 2018. Effects of Organic Amendments and Incubation Time on Cadmium (Cd) Chemical Fractions in a Calcareous Soil, Water and Soil Science, 28(1): 1-13, (In Persian).
21. Ghadam Khani, A., N. Enayatizamir and M. Nourozi masir. 2018. Effect of Potassium Solubilizing Bacteria on Some Properties of Wheat and Potassium uptake at Greenhouse Condition, Journal of Soil Management and Sustainable Production, 7(3): 139-152, (In Persian).
22. Rahimi, S., M. Afyuni, A. H. Khoshgoftarmanesh and M. Noruzi. 2015. Assessment of Soil Quality Index with Zinc Fertilizer and its Concentration Wheat Grain. Journal of Water and Soil Science (JWSS), 19 (71):47-57, (In Persian).
23. Norouzi, M., A. H. Khoshgoftarmanesh, M. Afyuni. 2015. Influence of Some Organic Fertilizers on Chemical Forms of Zinc in Soil Solid Phase in Relation to Zinc Uptake in Wheat. Journal of Water and Soil Science (JWSS), 18 (70):81-90, (In Persian).
24. Norouzi, M., A. Jalalian., S. Ayoubi and H. Khademi. 2009. Relationship between Wheat Yield and Terrain Attributes in Ardal Region, Charmahal and Bakhtiari Province. Journal of Water and Soil Science (JWSS), 12 (46):759-770, (In Persian).

CONFERENCE PRESENTATIONS:

1. Khajavi Shojaei, S., A. Moezzi, M. Norouzi Masir, M. Taghavi. 2019. Investigation of physic-chemical properties of conocarpus wastes biochar at different pyrolysis temperatures. The Third Conference for the Agricultural Sciences, Iraq.
2. Sadeghian, A., G.A. Sayyad, A. Farrokhian Firouzi and M. Norouzi Masir. The effect of crop residue management on the concentration of soil heavy metals (Zn, Mn and Fe). International Conference on Applied Research in Agricultural Sciences.
3. Norouzi, M., and M, Taghavi zahedkolaei. 2016. Fe_3O_4/ polyimide nanocomposites for selective heavy metals removal from industrial wastewater. National Conference on Sustainable Management of Soil and Environment Resources. Kerman Shahid Bahonar University, Iran.
4. Norouzi, M., and M, Taghavi zahedkolaei. 2016. Water-soluble polymer as a soil-flushing agent for heavy metal contaminated soil. National Conference on Sustainable Management of Soil and Environment Resources. Kerman Shahid Bahonar University, Iran.
5. Norouzi, M., and M, Taghavi zahedkolaei. 2016. Effective removal of heavy metal ions from aqueous solution by novel polymer-modified magnetic nanoparticles. National Conference on Sustainable Management of Soil and Environment Resources. Kerman Shahid Bahonar University, Iran.
6. Taghavi zahedkolaei, M., and M. Norouzi. 2016. Application of an insoluble poly(amido-ether-pyrimidine) to copper-contaminated soil enhances plant growth and soil quality. National Conference on Sustainable Management of Soil and Environment Resources. Kerman Shahid Bahonar University, Iran.
7. Taghavi zahedkolaei, M., and M. Norouzi. 2016. Preparation and properties of a slow release fertilizer with superabsorbent hydrogels based on poly(pyrimidine-amide) and succinic anhydride. National Conference on Sustainable Management of Soil and Environment Resources. Kerman Shahid Bahonar University, Iran.

8. Taghavi zahedkolaei, M., and M. Norouzi. 2016. Synthesis and characterization of superabsorbent polymer with slow-release phosphate fertilizer. National Conference on Sustainable Management of Soil and Environment Resources. Kerman Shahid Bahonar University, Iran.
9. Norouzi, M., A. H. Khoshgoftarmanesh, M. Afyuni, and R. Schulin. 2014. Zinc biofortification of wheat through preceding crop. Agronomic, Molecular Genetics and Human Nutrition Approaches for Improving the Nutritional Quality and Safety of Food Crops, Turkey.
10. Norouzi, M., A. H. Khoshgoftarmanesh, M. Afyuni, F. Kamyab, E. Frossard, and R. Schulin. 2011. Using Artificial Neural Network to Select Appropriate Agronomic Practices for Biofortification (A Case Study in Iran). ICOBTE Conference. Italy.
11. Ayoubi, S., M. Norouzi., A. Jalalian and H. Khademi. 2010. Artificial neural network modeling to identify the most important soil and landscape attributes affecting rainfed wheat yield. International Conference on Soil Fertility and Soil Productivity.
12. Ayoubi, S., M. Norouzi., A. Jalalian., A. Dehghani and H. Khademi. 2009. Spatial prediction of wheat yield and grain production using terrain attributes by Artificial Neural Network. International Agriculture Conference in the Netherlands.

RESEARCH PROJECTS:

Investigation of the effect of different levels of cadmium and time on some soil biological and chemical properties, 2018.

LANGUAGES:

Persian (native)

English (medium)